3 (cancelled). 1 4 (cancelled). Methods for the production of mixed alcohols including the steps (currently amended) using a sulfided, nanosized transition metal catalyst selected from Group VI metals; 3 nanosizing the Group VI transition metal catalyst by selecting Group VI metals, and mixtures thereof, and then nanosizing said Group VI metals and mixtures thereof to a mean 5 particle diameter [in the range of about 1 nm to] of about 100 nm; 6 suspending the Group VI transition metal catalyst in a liquid to form a slurry; and 7 contacting said slurry with gases including carbon monoxide and hydrogen at a temperature in 8 the range of about 250°C to about 325°C and at a pressure in the range of about 500 psig to 9 about 3000 psig, to thereby produce mixed alcohols. 10 12 (original) The method of claim I wherein the nanosized Group VI transition metal catalyst is sulfided prior to its use in producing mixed alcohols from gases including carbon monoxide 2 3 and hydrogen. 13 (original) The method of claim 11 wherein the nanosized Group VI transition metal catalysts are selected from Cr, Mo and W, and mixtures thereof. 14. (original) The method of claim 12 wherein the nanosized Group VI transition metal catalysts, and mixtures thereof effectain 3 are produced including the step of sulfiding said 2 nanosized Group VI transition metal catalysts, and mixtures thereof. 3 15. (original) The method of claim 14 wherein the nanosized Group VI transition metal catalysts, and mixtures thereof, are selected from Cr, Mo and W, and mixtures thereof. 16 (cancelled).